



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
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**D135-751-011**  
**Job Sheet 200910**



**Part No:** D135-751-011

**Job Qty:** 1 pcs

**Part Name:** Skidtube with Standard Wearplates Fits LH or RH



**Part Weight:** 0 lbs

**Status:** New

**Priority:** Medium

**Job Created:** 9/19/19

**Job Tracking No:**

**Created By:** Marie Lajeunesse

**Due Date:** 10/16/19

**Description:** ORDER 19679

**Type:** SOLD

**Note:** DWG DSI 9661 REV A, D3507 REV D IPP Rev:A 44353 New Issue JLM IPP Rev:B 06-12-18 As per Rev B JLM IPP Rev:C 07-12-11 ECN 1036 as per revB DD IPP Rev D 08.11.04 Added DT9431 to sequence 5 EC verf DD IPP Rev E 10.02.22 per PAR 09-043 EC verified: DD IPP Rev:F 10.06.09 remove seq110 DD verf:EC IPP Rev G 10.09.17 added D3507-1-bent EC verified:DD IPP REV:H 13.12.11 ECN13-619/ CHG002 DD VERF:JLM

**Ship Via:**

### Bill of Materials

### Job Routing

| Op No | Operation                     | Qty      | Start Date | Due Date | Standard  |         | Workcenter/Supplier      |           | Sign-off |
|-------|-------------------------------|----------|------------|----------|-----------|---------|--------------------------|-----------|----------|
|       |                               |          |            |          | Setup Hrs | Run Hrs | Workcenter / Supplier    | Lead Time |          |
| 120   | Skidtubes - 1                 | 1<br>pcs |            | 10/16/19 | 0.00      | 0.80    | Skidtubes - 1 - B4B      |           |          |
|       |                               |          |            |          |           |         | Skidtubes - 2 - B4B      |           |          |
|       |                               |          |            |          |           |         | Skidtubes - 3 - B4B      |           |          |
|       |                               |          |            |          |           |         | Skidtubes - 4 - B4B      |           |          |
|       |                               |          |            |          |           |         | Skidtubes - 5 - B4B      |           |          |
|       |                               |          |            |          |           |         | Skidtubes - 6 - B4B      |           |          |
|       |                               |          |            |          |           |         | Skidtubes - 7 - B4B      |           |          |
| 140   | QC 5                          | 1<br>pcs |            | 10/16/19 | 0.00      | 0.00    | QC 5 - 10                |           |          |
|       |                               |          |            |          |           |         | QC 5 - 12                |           |          |
|       |                               |          |            |          |           |         | QC 5 - 17                |           |          |
|       |                               |          |            |          |           |         | QC 5 - 18                |           |          |
|       |                               |          |            |          |           |         | QC 5 - 19                |           |          |
|       |                               |          |            |          |           |         | QC 5 - 22                |           |          |
|       |                               |          |            |          |           |         | QC 5 - 24                |           |          |
|       |                               |          |            |          |           |         | QC 5 - 3                 |           |          |
|       |                               |          |            |          |           |         | QC 5 - 43                |           |          |
|       |                               |          |            |          |           |         | QC 5 - 49                |           |          |
|       |                               |          |            |          |           |         | QC 5 - 51                |           |          |
|       |                               |          |            |          |           |         | QC 5 - 58                |           |          |
|       |                               |          |            |          |           |         | QC 5 - 68                |           |          |
|       |                               |          |            |          |           |         | QC 5 - 9                 |           |          |
|       |                               |          |            |          |           |         | QC 5 - 50                |           |          |
|       |                               |          |            |          |           |         | QC 5 - 30                |           |          |
|       |                               |          |            |          |           |         | QC 5 - 40                |           |          |
|       |                               |          |            |          |           |         | QC 5 - 61                |           |          |
|       |                               |          |            |          |           |         | QC 5 - 81                |           |          |
| 150   | Handfinish - 1-1 Chemical-B4B | 1<br>pcs |            | 10/16/19 | 0.00      | 0.33    | Handfinish - 1 - 1 - B4B |           |          |



**Container No:** S219264



**Part:** D135-751-011

**Job No:** 200910

**Serial No/Batch:** S219264

**Revision:**

**Inspector:**

**Exp Date:**

**Instructions:** FAA STC SR01709SE 18/10/17, TC, LoA RDIMS

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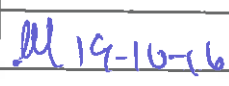
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9/19/2019

[Dart Hawkesbury] Job Sheet - Lajeunesse, Marie

|           |  |  |  |           |                                            |                |
|-----------|--|--|--|-----------|--------------------------------------------|----------------|
|           |  |  |  |           | Handfinish - 1 - 2 -<br>B4B                |                |
|           |  |  |  |           | Handfinish - 1 - 3 -<br>B4B                | SA OCT 03 2019 |
|           |  |  |  |           | Handfinish - 1 - 4 -<br>B4B                |                |
|           |  |  |  |           | Handfinish - 1 - 5 -<br>B4B                |                |
|           |  |  |  |           | Handfinish - 1 - 6 -<br>B4B                |                |
|           |  |  |  |           | Handfinish - 1 - 7 -<br>B4B                |                |
|           |  |  |  |           | Handfinish - 1 - 8 -<br>B4B                |                |
|           |  |  |  |           | Handfinish - 1 - 9 -<br>B4B                |                |
|           |  |  |  |           | Handfinish - 1 - 10 -<br>B4B               |                |
|           |  |  |  |           | Handfinish - 1 - 11 -<br>B4B               |                |
|           |  |  |  |           | Handfinish - 1 - 12 -<br>B4B               |                |
|           |  |  |  |           | Handfinish - 1 - 13 -<br>B4B               |                |
|           |  |  |  |           | Handfinish - 1 - 14 -<br>B4B               |                |
|           |  |  |  |           | Handfinish - 1 - 15 -<br>B4B               |                |
|           |  |  |  |           | Handfinish - 1 - 16 -<br>B4B               |                |
|           |  |  |  |           | Handfinish - 1 - 17 -<br>B4B               |                |
|           |  |  |  |           | Handfinish - 1 - 18 -<br>B4B               |                |
|           |  |  |  |           | Handfinish - 1 - 19 -<br>B4B               |                |
|           |  |  |  |           | Handfinish - 1 - 20 -<br>B4B               |                |
|           |  |  |  |           | Handfinish - 1 - 21 -<br>B4B               |                |
|           |  |  |  |           | Handfinish - 1 - 22 -<br>B4B               |                |
|           |  |  |  |           | 160 QC 7                                   | 1<br>pcs       |
|           |  |  |  | QC 7 - 13 |                                            |                |
|           |  |  |  | QC 7 - 14 |                                            |                |
|           |  |  |  | QC 7 - 15 |                                            |                |
|           |  |  |  | QC 7 - 17 |                                            |                |
|           |  |  |  | QC 7 - 18 |                                            |                |
|           |  |  |  | QC 7 - 19 |                                            |                |
|           |  |  |  | QC 7 - 2  |                                            |                |
|           |  |  |  | QC 7 - 28 |                                            |                |
|           |  |  |  | QC 7 - 3  |                                            |                |
|           |  |  |  | QC 7 - 30 |                                            |                |
|           |  |  |  | QC 7 - 34 |                                            |                |
|           |  |  |  | QC 7 - 36 |                                            |                |
|           |  |  |  | QC 7 - 37 |                                            |                |
|           |  |  |  | QC 7 - 41 |                                            |                |
|           |  |  |  | QC 7 - 47 |                                            |                |
|           |  |  |  | QC 7 - 48 |                                            |                |
|           |  |  |  | QC 7 - 51 |                                            |                |
|           |  |  |  | QC 7 - 58 |                                            |                |
| QC 7 - 59 |  |  |  |           |                                            |                |
| QC 7 - 60 |  |  |  |           |                                            |                |
|           |  |  |  |           | Plex 9/19/19 9:37 AM Dart.lajeunesse.marie |                |

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|                                     |   |     |          |           |           |                           |                                                                                                                      |
|-------------------------------------|---|-----|----------|-----------|-----------|---------------------------|----------------------------------------------------------------------------------------------------------------------|
|                                     |   |     |          |           |           | QC 7 - 9                  |                                                                                                                      |
|                                     |   |     |          |           |           | QC 7 - 68                 |                                                                                                                      |
|                                     |   |     |          |           |           | QC 7 - 50                 |                                                                                                                      |
|                                     |   |     |          |           |           | QC 7 - 67                 |                                                                                                                      |
|                                     |   |     |          |           |           | QC 7 - 40                 |                                                                                                                      |
|                                     |   |     |          |           |           | QC 7 - 24                 |                                                                                                                      |
|                                     |   |     |          |           |           | QC 7 - 43                 |                                                                                                                      |
|                                     |   |     |          |           |           | QC 7 - 61                 |                                                                                                                      |
|                                     |   |     |          |           |           | QC 7 - 81                 |                                                                                                                      |
|                                     |   |     |          |           |           | QC 7 - 79                 |                                                                                                                      |
| 170 Skidtubes - 2 - B4B             | 1 | pcs | 10/16/19 | 0.00 1.00 | Dexin 185 | Skidtubes - 1 - B4B       | <br>DAS 79<br>9-89                |
|                                     |   |     |          |           |           | Skidtubes - 2 - B4B       |                                                                                                                      |
|                                     |   |     |          |           |           | Skidtubes - 3 - B4B       |                                                                                                                      |
|                                     |   |     |          |           |           | Skidtubes - 4 - B4B       |                                                                                                                      |
|                                     |   |     |          |           |           | Skidtubes - 5 - B4B       |                                                                                                                      |
|                                     |   |     |          |           |           | Skidtubes - 6 - B4B       |                                                                                                                      |
|                                     |   |     |          |           |           | Skidtubes - 7 - B4B       |                                                                                                                      |
| 180 QC 10                           | 1 | pcs | 10/16/19 | 0.00 0.00 |           | QC 10 - 10                | <br>DAS 68<br>9-89<br>OCT 09 2019 |
|                                     |   |     |          |           |           | QC 10 - 18                |                                                                                                                      |
|                                     |   |     |          |           |           | QC 10 - 24                |                                                                                                                      |
|                                     |   |     |          |           |           | QC 10 - 43                |                                                                                                                      |
|                                     |   |     |          |           |           | QC 10 - 50                |                                                                                                                      |
|                                     |   |     |          |           |           | QC 10 - 58                |                                                                                                                      |
|                                     |   |     |          |           |           | QC 10 - 9                 |                                                                                                                      |
| 185 Handfinish - 6-1- Touch Up- B4B | 1 | pcs | 10/16/19 | 0.00 0.10 |           | Handfinish - 6 - 1 - B4B  | <br>19-10-16                      |
|                                     |   |     |          |           |           | Handfinish - 6 - 2 - B4B  |                                                                                                                      |
|                                     |   |     |          |           |           | Handfinish - 6 - 3 - B4B  |                                                                                                                      |
|                                     |   |     |          |           |           | Handfinish - 6 - 4 - B4B  |                                                                                                                      |
|                                     |   |     |          |           |           | Handfinish - 6 - 5 - B4B  |                                                                                                                      |
|                                     |   |     |          |           |           | Handfinish - 6 - 6 - B4B  |                                                                                                                      |
|                                     |   |     |          |           |           | Handfinish - 6 - 7 - B4B  |                                                                                                                      |
|                                     |   |     |          |           |           | Handfinish - 6 - 8 - B4B  |                                                                                                                      |
|                                     |   |     |          |           |           | Handfinish - 6 - 9 - B4B  |                                                                                                                      |
|                                     |   |     |          |           |           | Handfinish - 6 - 10 - B4B |                                                                                                                      |
|                                     |   |     |          |           |           | Handfinish - 6 - 11 - B4B |                                                                                                                      |
|                                     |   |     |          |           |           | Handfinish - 6 - 12 - B4B |                                                                                                                      |
|                                     |   |     |          |           |           | Handfinish - 6 - 13 - B4B |                                                                                                                      |
|                                     |   |     |          |           |           | Handfinish - 6 - 14 - B4B |                                                                                                                      |
|                                     |   |     |          |           |           | Handfinish - 6 - 15 - B4B |                                                                                                                      |
|                                     |   |     |          |           |           | Handfinish - 6 - 16 - B4B |                                                                                                                      |
|                                     |   |     |          |           |           | Handfinish - 6 - 17 - B4B |                                                                                                                      |
|                                     |   |     |          |           |           | Handfinish - 6 - 18 - B4B |                                                                                                                      |
|                                     |   |     |          |           |           | Handfinish - 6 - 19 - B4B |                                                                                                                      |
|                                     |   |     |          |           |           | Handfinish - 6 - 20 -     |                                                                                                                      |

|                         |       |          |                  | B4B                       |    |
|-------------------------|-------|----------|------------------|---------------------------|----|
|                         |       |          |                  | Handfinish - 6 - 21 - B4B |    |
|                         |       |          |                  | Handfinish - 6 - 22 - B4B |    |
| 187 QC 7                | 1 pcs | 10/16/19 | 0.00 0.00        | QC 7 - 10                 |    |
|                         |       |          |                  | QC 7 - 13                 |    |
|                         |       |          |                  | QC 7 - 14                 |    |
|                         |       |          |                  | QC 7 - 15                 |    |
|                         |       |          |                  | QC 7 - 17                 |    |
|                         |       |          |                  | QC 7 - 18                 |    |
|                         |       |          |                  | QC 7 - 19                 |    |
|                         |       |          |                  | QC 7 - 2                  |    |
|                         |       |          |                  | QC 7 - 28                 |    |
|                         |       |          |                  | QC 7 - 3                  |    |
|                         |       |          |                  | QC 7 - 30                 |    |
|                         |       |          |                  | QC 7 - 34                 |    |
|                         |       |          |                  | QC 7 - 36                 |    |
|                         |       |          |                  | QC 7 - 37                 |    |
|                         |       |          |                  | QC 7 - 41                 |    |
|                         |       |          |                  | QC 7 - 47                 |    |
|                         |       |          |                  | QC 7 - 48                 |    |
|                         |       |          |                  | QC 7 - 51                 |    |
|                         |       |          |                  | QC 7 - 58                 |    |
|                         |       |          |                  | QC 7 - 59                 |    |
|                         |       |          |                  | QC 7 - 60                 |    |
|                         |       |          |                  | QC 7 - 9                  |    |
|                         |       |          |                  | QC 7 - 68                 |    |
|                         |       |          |                  | QC 7 - 50                 |    |
|                         |       |          |                  | QC 7 - 67                 |    |
|                         |       |          |                  | QC 7 - 40                 |    |
|                         |       |          |                  | QC 7 - 24                 |    |
|                         |       |          |                  | QC 7 - 43                 |    |
|                         |       |          |                  | QC 7 - 61                 |    |
|                         |       |          |                  | QC 7 - 81                 |    |
|                         |       |          |                  | QC 7 - 78                 |    |
| 190 Skidtubes - 3 - B4B | 1 pcs | 10/16/19 | 0.00 0.77<br>168 | Skidtubes - 1 - B4B       | DD |
|                         |       |          |                  | Skidtubes - 2 - B4B       | DD |
|                         |       |          |                  | Skidtubes - 3 - B4B       |    |
|                         |       |          |                  | Skidtubes - 4 - B4B       |    |
|                         |       |          |                  | Skidtubes - 5 - B4B       |    |
|                         |       |          |                  | Skidtubes - 6 - B4B       |    |
|                         |       |          |                  | Skidtubes - 7 - B4B       |    |
| 200 QC 5                | 1 pcs | 10/16/19 | 0.00 0.00        | QC 5 - 10                 |    |
|                         |       |          |                  | QC 5 - 12                 |    |
|                         |       |          |                  | QC 5 - 17                 |    |
|                         |       |          |                  | QC 5 - 18                 |    |
|                         |       |          |                  | QC 5 - 19                 |    |
|                         |       |          |                  | QC 5 - 22                 |    |
|                         |       |          |                  | QC 5 - 24                 |    |
|                         |       |          |                  | QC 5 - 3                  |    |
|                         |       |          |                  | QC 5 - 43                 |    |
|                         |       |          |                  | QC 5 - 49                 |    |
|                         |       |          |                  | QC 5 - 51                 |    |
|                         |       |          |                  | QC 5 - 58                 |    |
|                         |       |          |                  | QC 5 - 68                 |    |
|                         |       |          |                  | QC 5 - 9                  |    |
|                         |       |          |                  | QC 5 - 50                 |    |
|                         |       |          |                  | QC 5 - 30                 |    |

|                                   |       |          |           |                           |                       |
|-----------------------------------|-------|----------|-----------|---------------------------|-----------------------|
| 210 Handfinish - 2-1 Pressure-B4B | 1 pcs | 10/16/19 | 0.00 0.08 | QC 5 - 40                 |                       |
|                                   |       |          |           | QC 5 - 61                 |                       |
|                                   |       |          |           | QC 5 - 81                 |                       |
|                                   |       |          |           | Handfinish - 2 - 1 - B4B  |                       |
| 220 Spray Paint - 2 - B4B         | 1 pcs | 10/16/19 | 0.00 0.25 | Handfinish - 2 - 2 - B4B  | <i>DA</i> OCT 16 2019 |
|                                   |       |          |           | Handfinish - 2 - 3 - B4B  |                       |
|                                   |       |          |           | Handfinish - 2 - 4 - B4B  | DAS                   |
|                                   |       |          |           | Spray Paint - 1 - B4B     | 41 OCT 16 2019        |
| 225 QC 14                         | 1 pcs | 10/16/19 | 0.00 0.00 | Spray Paint - 2 - B4B     | 9-89                  |
|                                   |       |          |           | Spray Paint - 3 - B4B     |                       |
|                                   |       |          |           | Spray Paint - 4 - B4B     |                       |
|                                   |       |          |           | QC 14 - 15                |                       |
| 260 Handfinish - 4-1-Assembly-B4B | 1 pcs | 10/16/19 | 0.00 0.74 | QC 14 - 2                 |                       |
|                                   |       |          |           | QC 14 - 34                |                       |
|                                   |       |          |           | QC 14 - 41                |                       |
|                                   |       |          |           | QC 14 - 51                |                       |
|                                   |       |          |           | QC 14 - 58                |                       |
|                                   |       |          |           | QC 14 - 59                | BEB 19-10-17          |
|                                   |       |          |           | QC 14 - 9                 |                       |
|                                   |       |          |           | QC 14 - 68                |                       |
|                                   |       |          |           | QC 14 - 40                |                       |
|                                   |       |          |           | QC 14 - 19                |                       |
|                                   |       |          |           | QC 14 - 43                |                       |
|                                   |       |          |           | QC 14 - 24                |                       |
|                                   |       |          |           | QC 14 - 61                |                       |
|                                   |       |          |           | QC 14 - 81                |                       |
|                                   |       |          |           | Handfinish - 4 - 1 - B4B  |                       |
|                                   |       |          |           | Handfinish - 4 - 10 - B4B | BEB 19-10-17          |
| 270 QC 5                          | 1 pcs | 10/16/19 | 0.00 0.00 | Handfinish - 4 - 11 - B4B |                       |
|                                   |       |          |           | Handfinish - 4 - 12 - B4B |                       |
|                                   |       |          |           | Handfinish - 4 - 13 - B4B |                       |
|                                   |       |          |           | Handfinish - 4 - 14 - B4B |                       |
|                                   |       |          |           | Handfinish - 4 - 15 - B4B |                       |
|                                   |       |          |           | Handfinish - 4 - 2 - B4B  |                       |
|                                   |       |          |           | Handfinish - 4 - 3 - B4B  |                       |
|                                   |       |          |           | Handfinish - 4 - 4 - B4B  |                       |
|                                   |       |          |           | Handfinish - 4 - 5 - B4B  |                       |
|                                   |       |          |           | Handfinish - 4 - 6 - B4B  |                       |
|                                   |       |          |           | Handfinish - 4 - 7 - B4B  |                       |
|                                   |       |          |           | Handfinish - 4 - 8 - B4B  |                       |
|                                   |       |          |           | Handfinish - 4 - 9 - B4B  |                       |
|                                   |       |          |           | QC 5 - 10                 |                       |
|                                   |       |          |           | QC 5 - 12                 |                       |
|                                   |       |          |           | QC 5 - 17                 |                       |

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9-89

|     |                                |   |          |           |                        |
|-----|--------------------------------|---|----------|-----------|------------------------|
|     |                                |   |          | QC 5 - 18 |                        |
|     |                                |   |          | QC 5 - 19 |                        |
|     |                                |   |          | QC 5 - 22 |                        |
|     |                                |   |          | QC 5 - 24 |                        |
|     |                                |   |          | QC 5 - 3  |                        |
|     |                                |   |          | QC 5 - 43 |                        |
|     |                                |   |          | QC 5 - 49 |                        |
|     |                                |   |          | QC 5 - 51 |                        |
|     |                                |   |          | QC 5 - 58 |                        |
|     |                                |   |          | QC 5 - 68 |                        |
|     |                                |   |          | QC 5 - 9  |                        |
|     |                                |   |          | QC 5 - 50 |                        |
|     |                                |   |          | QC 5 - 30 |                        |
|     |                                |   |          | QC 5 - 40 | OCT 21 2019 4:00       |
|     |                                |   |          | QC 5 - 61 | 9:30                   |
|     |                                |   |          | QC 5 - 81 |                        |
| 280 | Packaging 1-1 - Pick Kit - B4B | 1 | 10/16/19 | 0.00 0.00 | Packaging 1 - 1 - B4B  |
|     | pcs                            |   |          |           | Packaging 1 - 2 - B4B  |
|     |                                |   |          |           | Packaging 1 - 3 - B4B  |
|     |                                |   |          |           | Packaging 1 - 4 - B4B  |
|     |                                |   |          |           | Packaging 1 - 5 - B4B  |
|     |                                |   |          |           | Packaging 1 - 6 - B4B  |
|     |                                |   |          |           | Packaging 1 - 7 - B4B  |
|     |                                |   |          |           | Packaging 1 - 8 - B4B  |
|     |                                |   |          |           | Packaging 1 - 9 - B4B  |
|     |                                |   |          |           | Packaging 1 - 10 - B4B |
|     |                                |   |          |           | Packaging 1 - 11 - B4B |
|     |                                |   |          |           | Packaging 1 - 12 - B4B |
|     |                                |   |          |           | Packaging 1 - 13 - B4B |
|     |                                |   |          |           | Packaging 1 - 14 - B4B |
|     |                                |   |          |           | Packaging 1 - 15 - B4B |
|     |                                |   |          |           | Packaging 1 - 16 - B4B |
|     |                                |   |          |           | Packaging 1 - 17 - B4B |
|     |                                |   |          |           | Packaging 1 - 18 - B4B |
|     |                                |   |          |           | Packaging 1 - 19 - B4B |
|     |                                |   |          |           | Packaging 1 - 20 - B4B |
|     |                                |   |          |           | Packaging 1 - 21 - B4B |
|     |                                |   |          |           | Packaging 1 - 22 - B4B |
|     |                                |   |          |           | Packaging 1 - 23 - B4B |
|     |                                |   |          |           | Packaging 1 - 24 - B4B |
|     |                                |   |          |           | Packaging 1 - 25 - B4B |
|     |                                |   |          |           | Packaging 1 - 26 - B4B |
|     |                                |   |          |           | Packaging 1 - 27 - B4B |
|     |                                |   |          |           | Packaging 1 - 28 - B4B |
|     |                                |   |          |           | Packaging 1 - 29 - B4B |
|     |                                |   |          |           | Packaging 1 - 30 - B4B |
|     |                                |   |          |           | Packaging 1 - 31 - B4B |
|     |                                |   |          |           | Packaging 1 - 32 - B4B |
|     |                                |   |          |           | Packaging 1 - 33 - B4B |
|     |                                |   |          |           | Packaging 1 - 34 - B4B |
|     |                                |   |          |           | Packaging 1 - 35 - B4B |
|     |                                |   |          |           | Packaging 1 - 36 - B4B |
| 290 | QC 4                           | 1 | 10/16/19 | 0.00 0.00 | QC 4 - 28              |
|     | pcs                            |   |          |           | QC 4 - 58              |
|     |                                |   |          |           | QC 4 - 69              |
|     |                                |   |          |           | QC 4 - 9               |
|     |                                |   |          |           | QC 4 - 46              |
|     |                                |   |          |           | QC 4 - 68              |
|     |                                |   |          |           | QC 4 - 72              |

|                                 |          |          |           |                        |      |             |
|---------------------------------|----------|----------|-----------|------------------------|------|-------------|
| 300 Packaging 3-1 - Stock - B4B | 1<br>pcs | 10/16/19 | 0.00 0.00 | QC 4 - 74              | DAS  | NOV 04 2019 |
|                                 |          |          |           | QC 4 - 75              | 78   |             |
|                                 |          |          |           | Packaging 3 - 1 - B4B  | 9-89 |             |
|                                 |          |          |           | Packaging 3 - 2 - B4B  |      |             |
|                                 |          |          |           | Packaging 3 - 3 - B4B  |      |             |
|                                 |          |          |           | Packaging 3 - 4 - B4B  |      |             |
|                                 |          |          |           | Packaging 3 - 5 - B4B  |      |             |
|                                 |          |          |           | Packaging 3 - 6 - B4B  |      |             |
|                                 |          |          |           | Packaging 3 - 7 - B4B  |      |             |
|                                 |          |          |           | Packaging 3 - 8 - B4B  |      |             |
|                                 |          |          |           | Packaging 3 - 9 - B4B  |      |             |
|                                 |          |          |           | Packaging 3 - 10 - B4B |      |             |
|                                 |          |          |           | Packaging 3 - 11 - B4B |      |             |
|                                 |          |          |           | Packaging 3 - 12 - B4B |      |             |
|                                 |          |          |           | Packaging 3 - 13 - B4B |      |             |
|                                 |          |          |           | Packaging 3 - 14 - B4B |      |             |
|                                 |          |          |           | Packaging 3 - 15 - B4B |      |             |
|                                 |          |          |           | Packaging 3 - 16 - B4B |      |             |
|                                 |          |          |           | Packaging 3 - 17 - B4B |      |             |
|                                 |          |          |           | Packaging 3 - 18 - B4B |      |             |
|                                 |          |          |           | Packaging 3 - 19 - B4B |      |             |
|                                 |          |          |           | Packaging 3 - 20 - B4B |      |             |
|                                 |          |          |           | Packaging 3 - 21 - B4B |      |             |
|                                 |          |          |           | Packaging 3 - 22 - B4B |      |             |
|                                 |          |          |           | Packaging 3 - 23 - B4B |      |             |
|                                 |          |          |           | Packaging 3 - 24 - B4B | DAS  |             |
|                                 |          |          |           | Packaging 3 - 25 - B4B | 78   |             |
|                                 |          |          |           | Packaging 3 - 26 - B4B | 9-89 |             |
|                                 |          |          |           | Packaging 3 - 27 - B4B |      |             |
|                                 |          |          |           | Packaging 3 - 28 - B4B |      |             |
|                                 |          |          |           | Packaging 3 - 29 - B4B |      |             |
|                                 |          |          |           | Packaging 3 - 30 - B4B |      |             |
|                                 |          |          |           | Packaging 3 - 31 - B4B |      |             |
|                                 |          |          |           | Packaging 3 - 32 - B4B |      |             |
|                                 |          |          |           | Packaging 3 - 33 - B4B |      |             |
|                                 |          |          |           | Packaging 3 - 34 - B4B |      |             |
|                                 |          |          |           | Packaging 3 - 35 - B4B |      |             |
|                                 |          |          |           | Packaging 3 - 36 - B4B | DAS  |             |
| 305 DC - 1 - B4B                | 1<br>pcs | 10/16/19 | 0.00 0.00 | DC - 1 - B4B           | 21   | NOV 04 2019 |
|                                 |          |          |           | DC - 2 - B4B           | 21   |             |
| 310 QC 21 - FG                  | 1<br>pcs | 10/16/19 | 0.00 0.00 | QC 21 - FG - 21        |      |             |
|                                 |          |          |           | QC 21 - FG - 70        |      | NOV 04 2019 |
|                                 |          |          |           | QC 21 - FG - 53        | 21   |             |

Part Op 120 - 1-Cut Aft end as per dwg D3507 3-Drill Aft & Fwd Cap holes using DT8678 & DT8901 4-Locate DT8870 & Drill Descriptions: Ground wire hole on top of Tube. 6-Locate DT8870 with #30 cleco in Ground wire hole ,then Pilot Drill all X-Bolt holes using #30" drill.\*\*\*\*DO NOT OPEN AFT CAP HOLES\*\*\*\*\* 7-Open crossbolt holes to 0.3125" (3 per side). Drill pilot holes for wearplates using Dt8868,Use DT8892 FOR REAR WEARPLATE HOLES. 8-Open six rear wearplate holes using DT8892.Open all wearplate holes to 0.297" 9-Open ground wire hole .297" section E-E 10-Open Aft & Fwd Cap holes using .208" drill. 11-Bore out aft end of tube as per Dwg D3507 & Detail "B". 12- Section G-G holes must be laid out manually, open to #30. 13-Deburr holes.

140 - (QC5- Inspect part completeness to step on W/O)

160 - (QC7-Inspect Chemical Conversion Coat)

170 - 1-Open X-Bolt holes to .375" ( 1 Places) & .500"(2Places) as per Dwg D3507. and section G-G to .750" (2 places) 2-Counter Sink X-BOLT holes as per Dwg D3507 3-Deburr and blow out chips from inside of tube. 4-Bond web as per Dwg D3507 & QSI 015 start time: 3:00:25 end time: 0:25:42 5-Weld x-bolt spacers as per Dwg D3507 and Detail C-C & D-D and G-G 7-Drill Rivet Holes as per Dwg D3507 Using Dt8871A&B 8-Deburr Rivet holes.

180 - (QC10- Inspect visual per QSI004- ground welds)

185 - (Touch up alodine) RE-ALODINE ONLY

187 - (QC7-Inspect Chemical Conversion Coat)

190 - 1-Rivet D3506-1/-3 as per Dwg D3507.

200 - (QC5- Inspect part completeness to step on W/O)

210 - Touch-up alodine tube as per QSI 005 section 4.1.2.1 do not acid etch.

220 - (Spray Paint / NDT Room) 1- Apply Primer as per QSI 005 4.2.1.3.3 and dwg A/R Primer

Batch: 3 280299 2- Paint two coats of White paint as per QSI 005 4.2 and dwg A/R PaintBatch: 3213125

225 - (QC14- Inspect Spray Paint)

260 - 1- Install Wearplate &amp; Ground Wire inserts as per Dwg D3507. 1-Inspect for Foreign objects 2-Install Fwd &amp; Aft caps as per Dwg D3507 And Detail "A" &amp; "B" 3-Install Wearplates as per Dwg D3507 , Note:Install (1) Bolt and (1) washer on Ground Wire insert on top of tube Do not Install Screws where indicated on Dwg(Note #6) 4-assemble o'ring to plug as per dwg D3492 and apply o'ring lube 5- Wing Walk as per Dwg D3507 and QSI 005 4.4 Batch: \_\_\_\_\_

270 - (QC5- Inspect part completeness to step on W/O)

280 - (Pick Kit)

290 - (QC4- 100% Inspect kits for completeness)

300 - (Identify as per dwg &amp; Stock Location: \_\_\_\_\_) Identify and pack for shipping as per PPP D135-751-011 PPP

Rev: \_\_\_\_\_

305 - Photocopy bluefile &amp; type labels per PPP D135-751-011 CHG002

310 - QC21- Final Inspection - Work Order Release

012551

## Job BOM

| Part / Item   | Component Name          | Quantity      | Operation                          | Container |
|---------------|-------------------------|---------------|------------------------------------|-----------|
| D3507-1-BENT  | Skidtube Assembly EC135 | 1 pcs (1 ea)  | 120-Skidtubes - 1                  | 5160847   |
| D3504-1       | Crossbolt Spacer        | 2 pcs (2 ea)  | 170-Skidtubes - 2 - B4B            | 5146029   |
| D3504-3       | Crossbolt Spacer        | 1 pcs (1 ea)  | 170-Skidtubes - 2 - B4B            | 5105604   |
| D3504-5       | Crossbolt Spacer        | 2 pcs (2 ea)  | 170-Skidtubes - 2 - B4B            | 5091939   |
| D3505-1       | Web                     | 1 pcs (1 ea)  | 170-Skidtubes - 2 - B4B            | 5154725   |
| D3506-1       | Doubler                 | 4 pcs (4 ea)  | 190-Skidtubes - 3 - B4B            | 5141058   |
| D3506-3       | Doubler                 | 2 pcs (2 ea)  | 190-Skidtubes - 3 - B4B            | 5154142   |
| MS20601-AD4W3 | Rivet                   | 12 Ea (12 ea) | 190-Skidtubes - 3 - B4B            | 5215552   |
| ALS4-1032-225 | Rivnut                  | 1 Ea (1 ea)   | 260-Handfinish - 4-1-Assembly-B4B  | 5192155   |
| ALS7-1032-130 | Rivnut                  | 38 Ea (38 ea) | 260-Handfinish - 4-1-Assembly-B4B  | 5190021   |
| AN3C4A        | Bolt                    | 31 Ea (31 ea) | 260-Handfinish - 4-1-Assembly-B4B  | 5218780   |
| AN3C5A        | Bolt                    | 2 Ea (2 ea)   | 260-Handfinish - 4-1-Assembly-B4B  | 5216219   |
| AN526C1032R10 | Screw                   | 2 Ea (2 ea)   | 260-Handfinish - 4-1-Assembly-B4B  | 5166981   |
| D2965         | Cap                     | 1 pcs (1 ea)  | 260-Handfinish - 4-1-Assembly-B4B  | 5166570   |
| D2965-3       | Cap                     | 1 pcs (1 ea)  | 260-Handfinish - 4-1-Assembly-B4B  | 5166571   |
| D3492-1       | Plug                    | 4 pcs (4 ea)  | 260-Handfinish - 4-1-Assembly-B4B  | 5204549   |
| D3492-3       | Plug                    | 4 pcs (4 ea)  | 260-Handfinish - 4-1-Assembly-B4B  | 5215332   |
| D3492-7       | Plug                    | 2 pcs (2 ea)  | 260-Handfinish - 4-1-Assembly-B4B  | 5148611   |
| D4918-047     | Wearplate Aft           | 1 pcs (1 ea)  | 260-Handfinish - 4-1-Assembly-B4B  | 5153202   |
| D4918-1       | Wearplate Fwd           | 1 pcs (1 ea)  | 260-Handfinish - 4-1-Assembly-B4B  | 5220080   |
| D4918-3       | Wearplate Center Fwd    | 1 pcs (1 ea)  | 260-Handfinish - 4-1-Assembly-B4B  | 5170023   |
| D4918-5       | Wearplate Center Aft    | 1 pcs (1 ea)  | 260-Handfinish - 4-1-Assembly-B4B  | 5170026   |
| NAS1149C0332R | Washer (AN960C10L)      | 33 Ea (33 ea) | 260-Handfinish - 4-1-Assembly-B4B  | 5218154   |
| NAS1611-007   | O-Ring                  | 2 Ea (2 ea)   | 260-Handfinish - 4-1-Assembly-B4B  | F103697   |
| NAS1611-010   | O-Ring                  | 4 Ea (4 ea)   | 260-Handfinish - 4-1-Assembly-B4B  | 5057658   |
| NAS1611-013   | O-Ring                  | 4 Ea (4 ea)   | 260-Handfinish - 4-1-Assembly-B4B  | 5217822   |
| AN3C4A        | Bolt                    | 8 Ea (8 ea)   | 280-Packaging 1-1 - Pick Kit - B4B | 5090636   |
| D3512-041     | Wearplate               | 2 pcs (2 ea)  | 280-Packaging 1-1 - Pick Kit - B4B | 5220936   |
| NAS1149C0332R | Washer (AN960C10L)      | 8 Ea (8 ea)   | 280-Packaging 1-1 - Pick Kit - B4B | 5211548   |

M.U. 012459



| Job Allocations                    |                |          |           |           |
|------------------------------------|----------------|----------|-----------|-----------|
| Operation                          | Component Part | Required | Inventory | Allocated |
| 120-Skidtubes - 1                  | D3507-1-BENT   | 1        | 10        | 0         |
|                                    | D3504-1        | 2        | 120       | 0         |
|                                    | D3504-3        | 1        | 103       | 0         |
|                                    | D3504-5        | 2        | 6         | 0         |
|                                    | D3505-1        | 1        | 10        | 0         |
| 170-Skidtubes - 2 - B4B            | D3506-1        | 4        | 13        | 0         |
|                                    | D3506-3        | 2        | 16        | 0         |
|                                    | MS20601-AD4W3  | 12       | 333       | 0         |
|                                    | ALS4-1032-225  | 1        | 1,872     | 0         |
|                                    | ALS7-1032-130  | 38       | 1,652     | 0         |
| 190-Skidtubes - 3 - B4B            | AN3C4A         | 31       | 584       | 0         |
|                                    | AN3C5A         | 2        | 680       | 0         |
|                                    | AN526C1032R10  | 2        | 57        | 0         |
|                                    | D2965          | 1        | 52        | 0         |
|                                    | D2965-3        | 1        | 45        | 0         |
| 260-Handfinish - 4-1-Assembly-B4B  | D3492-1        | 4        | 92        | 0         |
|                                    | D3492-3        | 4        | 50        | 0         |
|                                    | D3492-7        | 2        | 14        | 0         |
|                                    | D4918-047      | 1        | 4         | 0         |
|                                    | D4918-1        | 1        | 0         | 0         |
|                                    | D4918-3        | 1        | 4         | 0         |
|                                    | D4918-5        | 1        | 4         | 0         |
|                                    | NAS1149C0332R  | 33       | 2,974     | 0         |
|                                    | NAS1611-007    | 2        | 232       | 0         |
|                                    | NAS1611-010    | 4        | 131       | 0         |
|                                    | NAS1611-013    | 4        | 128       | 0         |
|                                    | AN3C4A         | 8        | 584       | 0         |
|                                    | D3512-041      | 2        | 0         | 0         |
|                                    | NAS1149C0332R  | 8        | 2,974     | 0         |
|                                    |                |          |           |           |
|                                    |                |          |           |           |
| 280-Packaging 1-1 - Pick Kit - B4B |                |          |           |           |
|                                    |                |          |           |           |
|                                    |                |          |           |           |
|                                    |                |          |           |           |
|                                    |                |          |           |           |

## Part Specifications

Specifications could not be found.

Plex 9/19/19 9:37 AM Dart.lajeunesse.marie





Entered: \_\_\_\_\_ Date: \_\_\_\_\_

**WORK ORDER NON-CONFORMANCE / ROUTE UPDATE**

Route update only

NCR No. \_\_\_\_\_

|                                                                                                                                                                                                                                                                                                                                                                                     |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| Job: _____<br>Part No. _____                                                                                                                                                                                                                                                                                                                                                        |                   | <b>DISPOSITION</b><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | <b>DEPARTMENT/PROCESS</b><br>Cross tube <input type="checkbox"/> Eng. (Non-AW) <input type="checkbox"/><br>Small Fab <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/><br>Finishing <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/><br>Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Large Fab <input type="checkbox"/><br>Engineering <input type="checkbox"/><br>Water Jet <input type="checkbox"/><br>Supplier <input type="checkbox"/><br>Quality <input type="checkbox"/> |  |  |  |
| Date: _____                                                                                                                                                                                                                                                                                                                                                                         | Sequence #: _____ | QTY Affected: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | MRB (QSI042)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |
| Description Work Order Deviation                                                                                                                                                                                                                                                                                                                                                    |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | Disposition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                     |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                     |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                     |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                     |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |
| <b>Root Cause</b><br>Operator <input type="checkbox"/><br>Manufacturing Process <input type="checkbox"/><br>Equip/Tooling <input type="checkbox"/><br>Handling/Preservation <input type="checkbox"/><br>Material <input type="checkbox"/><br>Product Improvement <input type="checkbox"/><br>Process Improvement <input type="checkbox"/><br>Human Factors <input type="checkbox"/> |                   | <b>FAULT CATEGORY</b><br>Pressure/Forced <input type="checkbox"/> Contamination <input type="checkbox"/><br>Bending <input type="checkbox"/> Misaligned/off center <input type="checkbox"/><br>Crushing <input type="checkbox"/> BOM/Route <input type="checkbox"/><br>Cracks <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/><br>Crimp/Kink/Ripple/Wave/Twist <input type="checkbox"/> Incomplete/Unclear Instructions <input type="checkbox"/><br>Marks/Chatter <input type="checkbox"/> Drill Holes <input type="checkbox"/><br>Mislabeled <input type="checkbox"/> Fit/Function <input type="checkbox"/><br>Other/Details: _____ |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |
| <b>Positioned Wrong</b> <input type="checkbox"/><br><b>Outside Tolerance</b> <input type="checkbox"/><br><b>Drawing</b> <input type="checkbox"/><br><b>Finish</b> <input type="checkbox"/><br><b>Part Lost/Missing</b> <input type="checkbox"/><br><b>Misread</b> <input type="checkbox"/>                                                                                          |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |

## 5.0 PARTS LIST

| Item | Qty<br>-041 | Qty<br>-043 | Qty<br>-101 | Part Number          | Description            |
|------|-------------|-------------|-------------|----------------------|------------------------|
|      | X           |             |             | D135-751-011         | SKIDTUBE INSTALLATION  |
|      | 1           | X           |             | D135-751-041         | REPLACEMENT SKIDTUBE   |
|      |             | X           |             | D135-751-043         | WEARPLATE KIT          |
|      |             |             | X           | D135-751-101         | SKIDTUBE EXTENSION KIT |
| 1    | 1           |             |             | D3507-041            | SKIDTUBE ASSEMBLY      |
| 2    | 4           |             |             | **BRS8-96/48SZ-M8-W2 | CLAMP                  |
| 3    | 8           |             |             | **LN9038-08032       | SCREW                  |
| 4    | 1           |             |             | *D2965               | CAP                    |
| 5    | 1           |             |             | *D2965-3             | CAP                    |
| 6    | 2           |             |             | ***AELS-1032-130     | INSERT                 |
| 7    | 2           |             |             | ***AELS-1032-225     | INSERT                 |
| 8    | 2           |             |             | *AN3C5A              | BOLT                   |
| 9    | 2           |             |             | *AN960C10L           | WASHER                 |
| 10   | 2           |             |             | *AN526C1032-10       | SCREW                  |
| 20A  | 1           | 1           |             | *D3508-1             | WEARPLATE              |
| 20B  | 1           | 1           |             | *D3558-1             | GASKET                 |
| 21A  | 1           | 1           |             | *D3508-3             | WEARPLATE              |
| 21B  | 1           | 1           |             | *D3558-3             | GASKET                 |
| 22A  | 1           | 1           |             | *D3508-5             | WEARPLATE              |
| 22B  | 1           | 1           |             | *D3558-5             | GASKET                 |
| 23A  | 1           | 1           |             | *D3508-7             | WEARPLATE              |
| 23B  | 1           | 1           |             | *D3558-7             | GASKET                 |
| 24   | 38          |             |             | *AELS-1032-130       | INSERT                 |
| 25   | 8           | 38          |             | *AN3C4A              | BOLT                   |
| 26   | 8           | 38          |             | *AN960C10L           | WASHER                 |
| 27   | 2           | 2           |             | D3512-1              | WEARPLATE              |
| 30   | 1           |             |             | *AELS-1032-225       | INSERT                 |
| 31   | 1           |             |             | *AN3C4A              | BOLT                   |
| 32   | 1           |             |             | *AN960C10L           | WASHER                 |
| 40   | 4           |             |             | *D3492-041           | PLUG ASSEMBLY          |
| 41   | 4           |             |             | ***NAS1611-010       | O-RING                 |
| 42   | 2           |             |             | *D3492-047           | PLUG ASSEMBLY          |
| 43   | 2           |             |             | ***NAS1611-007       | O-RING                 |
| 44   | 4           |             |             | *D3506-1             | DOUBLER                |
| 45   | 8           |             |             | *MS20601AD4W3        | RIVET                  |
| 46   | 2           |             |             | *D3506-3             | DOUBLER                |
| 47   | 4           |             |             | *MS20601AD4W3        | RIVET                  |
| 48   | 4           |             |             | *D3492-043           | PLUG ASSEMBLY          |
| 49   | 4           |             |             | ***NAS1611-013       | O-RING                 |
| 50   |             |             | 1           | D3510-041            | INSERT ASSEMBLY        |
| 51   |             |             | 2           | ***AELS-1032-130     | INSERT                 |
| 52   |             |             | 6           | ***AELS-1032-225     | INSERT                 |
| 53   |             |             | 2           | ***ALS4-428-165      | INSERT                 |
| 54   |             |             | 2           | AN4C7A               | BOLT                   |
| 55   |             |             | 2           | AN960C416L           | WASHER                 |
| 56   |             |             | 2           | AN3C4A               | BOLT                   |
| 57   |             |             | 8           | AN3C7A               | BOLT                   |
| 58   |             |             | 10          | AN960C10L            | WASHER                 |

\* PART IS INCLUDED WITH D3507-041 SKIDTUBE ASSEMBLY

\*\* TO BE SUPPLIED BY CUSTOMER, LISTED AS REFERENCE ONLY

\*\*\* DENOTES PART IS INCLUDED WITH ASSEMBLY ABOVE

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Revision: C

Date: 07.09.20